



DKT 10020

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Ronald Busink, et al.

SER. NO: 09/920,122

Filed: August 1, 2001

Art Unit: 1711

Examiner: Unknown

For: Process For The Production Of Chemically Or Enzymatically
Modified Polysaccharides And Products Made Thereby

Honorable Commissioner of Patents and Trademarks
Washington, DC 20231-0001

Dear Sir:

RECEIVED

APR 30 2002

TC 1700

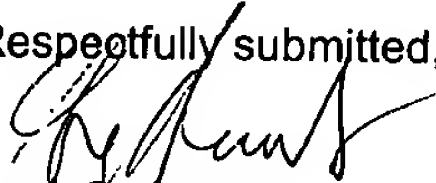
INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56
AND 37 CFR 1.97-1.98

Pursuant to 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.98, Applicant calls the attention of the Examiner to Form 1449 attached herewith, which cites published art documents listed in the above patent application and the International Search Report (search page and documents enclosed) in connection with PCT counterpart application no. US 01/24329.

Since no Office Action has been received, it is not believed that any fee is due. Accordingly, it is respectfully submitted that consideration of the above noted Information Disclosure Statement is appropriate, and consideration of the same is respectfully requested.

Should there be any questions or comments regarding this paper or the present application, Examiner is invited to contact the undersigned at the below-listed telephone number. In the event any fee is due, please charge Applicant's Deposit Account No. 08-1800.

Respectfully submitted,



Gary Samuels
Attorney for Applicant
Reg. No. 20,811

Hercules Incorporated
Hercules Plaza
1313 North Market Street
Wilmington, DE 19894-0001
(302) 594-6813
April 24, 2002

10020

PTO-1449 (MODIFIED) DOCUMENTS CITED BY APPLICANT	ATTY. DOCKET NO. 10020	SERIAL NO. 09/920,122
	APPLICANT(S) Ronald Busink, Alfred Haandrikman, Michaela Hofbauer, Hielke Tjeerd de Vries and Sandra Berberich-Franchen	
	FILING DATE August 1, 2001	GROUP 1711

U.S. PATENT DOCUMENTS

EXAMINER* INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE RELEVANT
	AA	3,231,560 ✓	1966	Keen et al.	260	209	
	AB	3,236,832 ✓	1966	Opie et al.	260	209	
	AC	3,297,604 ✓	1967	Germino	260	17.4	
	AD	4,031,307 ✓	1977	DeMartino et al.	536	114	
	AE	4,453,979 ✓	1984	DeMasi et al.	106	188	
	AF	5,234,825 ✓	1993	McCleary	435	101	
	AG	5,318,669 ✓	1994	Dasgupta	162	164.3	
	AH	5,338,407 ✓	1994	Dasgupta	162	168.3	
	AI	5,502,091 ✓	1996	Dasgupta	524	55	
	AJ	5,554,745 ✓	1996	Chung-Wai	536	52	
	AK	5,633,300 ✓	1997	Dasgupta	524	55	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	0 003 582 ✓	1981	EP	C04B	13/00		
	AM	0 058 917 ✓	1985	EP	C09K	7/02		
	AN	0 219 281 A2 ✓	1987	EP	C08B	37/00		
	AO	0 113 079 ✓	1990	EP	A61K	6/00		
	AP	0 465 992 A1 ✓	1992	EP	C08B	11/20		

OTHER REFERENCES (Including author, title, date, pertinent pages, etc.)

AR	Donnelly, "Viscosity Control of Guar Polysaccharide Solutions by Treatment with Galactose Oxidase and Catalase Enzymes", Methods in Biotechnology, Vol. 10, pgs. 79 - 99; edited by C. Bucke, School of Biosciences, University of Westminster, London, UK ✓
AS	Frollini, Reed, Milas & Rinaudo, Polyelectrolytes from polysaccharides: selective oxidation of guar gum - a revisited reaction, Carbohydrate Polymers 27 (1995) 129-135 ✓
AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449 (MODIFIED) DOCUMENTS CITED BY APPLICANT	ATTY. DOCKET NO. 10020	SERIAL NO. 09/920,122
	APPLICANT(S) Ronald Busink, Alfred Haandrikman, Michaela Hofbauer, Hielke Tjeerd de Vries and Sandra Berberich-Franchen	
	FILING DATE August 1, 2001	GROUP 171

U.S. PATENT DOCUMENTS

EXAMINER* INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE RELEVANT
	AA	5,700,917 ✓	1997	Chung-Wai et al.	536	18.7	
	AB	6,022,717 ✓	2000	Brady et al.	435	101	
	AC	6,124,124 ✓	2000	Brady et al.	435	190	
	AD	6,179,962 B1 ✓	2001	Brady et al.	162	164.1	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	1 047 467 ✓	1996	GB	C14c	7/00		
	AM	1589 04 ✓	1983	DD	C08B	9/00		
	AN	99 34009 ✓	1999	WO	C12P	19/00		
	AO							
	AP							

OTHER REFERENCES (Including author, title, date, pertinent pages, etc.)

	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED

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